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A-0367

PARTMENT OF NATURAL RES 1845 Sherman Street Denver, Colorado 80203

## METAL & NONMETAL MINE OPERATOR'S ANNUAL REPORT

for the Year \_\_\_\_1974

MAR 6 1975
COLU. DIVISION OF MINES

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65036 - R8 SDMS

Date MAY- 8-1-1975		71	£.
	Number	Do101	res
Assistant Commissioner of Mines	Mining Distr	rict	
Name of Operation RICO XXXX Argentine Leaching Plant	Kind of Operation	Milling (Mine, Mill, Qua	rry, etc.)
Mining Operator Rico Argentine Corporation	_ Ownership (X )	Lease ( )	Contractor ( )
Address (Local) Box 158, Rico 81332	_Main Office Address_	Same	· · · · · · · · · · · · · · · · · · ·
Owner Rico Argentine Mining Company	Owner Address	Same	÷ .
Location of Property 1 mile North of Rico, Colo	rado		<u> </u>
Corporation (X) Partnership () Individual ()  If a corporation, give name of state in which incorporated	Texas	····	
President R. M. Roberts	Partner or Individual		
Vice-President O. L. Jahnke	Partner		· · · · · · · · · · · · · · · · · · ·
Secretary L. G. Caskey	Partner		<u></u>
Treasurer Bruce Crider	Partner	· · · · · · · · · · · · · · · · · · ·	·
Manager O. L. Jahnke or Person in Charge		ox 156, Rico, Col 967-2281967-24	
Producing (X ) Developing ( ) Prospecting (	) Part Time (	) . Idle ( )	
Principal Products SilverGold		·	
STABILIZATION	AND RECLAMATION		
Dump or Stockpile Area 2.5 (acres)		Acres Reclaimed Dur Stockpile Area Reclaim	
PRODUCTION	I FOR THE YEAR		
Crude Tonnage (tons, yards, pounds) Produced during the Year_	81,000	Value \$ 1,200,	000
List products separately, i.e., Gold, Silver, Copper, Lead, Zinc, o	or other minerals, Clay,	Sand, Gravel, Stone, etc	·.
Product Gold (OZ.,X	<b>K</b> XXXXXX 200	Value \$ 35	,000
Product Silver (oz., 1	<b>XXXXXX</b> 25,900	Value \$ 103	,000
Product (oz., 1	bs., tons)	Value \$	
Product (oz., I	bs., tons)	Value \$	
Product (oz., I	bs., tons)	Value \$	
LABOR S	TATISTICS		
Number of Days Operated during the Year 81 A	verage No. of Employee	es: Undergd	Surface 12
Number of Man-shifts (8 hours each) during the Year: Undergro	ound	Surface 26855	
Total Inspection Fee 775 Number of Lost-time acciden			rked <u>26,855</u>
Compensation Insurance Carrier State			<del>/</del>
Date of this report 3/1/75	_Signed	1) almus	9.4.
	By: 0. L. Ja	hnke/	
	Title General Ma	nager	

This report must be submitted to the Colorado Division of Mines by March 1, 19\_7\_5

(over)

BM 8 (Rev. 10/74)

DESCRIPTION OF PROPERTY AND OPERATION
December 5, 1974

Rico Argentine Mill - Dolores County

Cyanide solution of approximately three pounds per ton of H<sub>2</sub>O is used as primary leach reagent. Small amounts of lime and zinc are used in the circuit for collection of the gold and silver in the leach ore pile. The ore leach pile contains approximately 100,000 tons of raw ore; this ore was hauled from the old mine dumps from several of the gold mines in this area.

First part of the ore was crushed to an average size of 1 1/2 inch, the finish of the leaching pile was made by using the ore from dumps in its original mined sizes. The leaching solution is pumed through a series of lines and distributed over the top of the leach pile by using rainbird sprinkler hoses. Soaker hoses were tried unsuccessfully, the solution did not contain proper amount of oxygen without sprinkling for oxidation. A buildup of liquor in the leach pile caused a spill over the outer berm early in the startup, solution ran into the Dolores River and caused considerable amount of undue concern. To prevent any further accidents of this nature the pad berm was raised to 4 1/2 ft. to 6 ft. A secondary retaining berm has been built between the leaching pad and the Dolores River up to 6 ft. to 10 ft. The Dolores River has been returned to the original channel, creating considerable more distance from the leach pad to the stream.

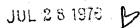
The water is checked twice daily for any pollution above and below the leaching pad to prevent any pollution of the natural stream.

After the leaching process has been completed in this pad plans are to use leached ore to refill and resurface the old settling ponds formerly used at the acid plant location. Plans are to construct other leach pads in these ponds as operation continues.

Thomas D. High

District Metal Mining Inspector

## STATE OF COLORADO





MAR 1 6 1977

## BUREAU OF MINES Department of Natural Resources INFORMATION REPORT

No. I-50

Date July 14, 1976
County Dolores

RICO ARGENT	TINE	Leach Pads & Crusher			
Name of Operation		Kind of Operation			
Rico Argent	ine Phone 967-2281	Box 108, Rico, CO 81322			
Operator		Address of Operator			
Crystal Oil	L Company	Box 21101, Shreveport, La 71120			
Owner		Address of Owner			
Oraval Jahr	ike	Rico, Colorado 81322			
Person Locally in Charge		Address of Person in Charge			
Rico Argent	ine	Continuous from 1975			
To Whom Shall Annual Report Be Sent		If New Operation, When Did Work Start			
Products GOLC Value of Product	l and Silver s \$ Market Value CHANGES DAILY	Part Time X Idle Monthly Rate of Production 75,000 tons leach maters Number of Days Operated 120 days 19 76 Surface Other			
Location	Rico, Colorado: Sec 20 T-40N	and Crusher are located one mile north of R-10W N.M.P.M.			
Fotal Acres <u>Min</u> Dump or Stockpi	ed Acres Mined During Ye le Area Dum	par Acres Reclaimed During Year np or Stockpile Area Reclaimed Acres			
	Two leach pads - hypalon lined original acid plant.	, located in the old settling ponds at the			
urface uildings	Leach Plant				
<b>~</b>	Leach Pads Leaching and recovery tanks, pr	resses and smelter.			
ype of Ground S					
ențilation	DOES NOT APPLY.  DOES NOT APPLY.				
Seological Form					
ize of Vein or De					
Aiscellaneous (Ob	otain a Current Underground Map)	10 mg			

M 2 (Rev. 9-72)

Inspector

District No.